



Coal in Sustainable Development in the 21st Century

incorporating the

8th APEC Coal Flow Seminar
9th APEC Clean Fossil Energy Technical Seminar
4th APEC Coal TILF Workshop

Kuala Lumpur, Malaysia : Monday 29 October to Friday 2 November 2001

ORGANISED UNDER THE DIRECTION OF THE
APEC EXPERT GROUP ON CLEAN FOSSIL ENERGY (EGCFE)
PROJECT STEERING COMMITTEE

AUSTRALIA: Department of Industry, Science and Resources (ISR)

CANADA: Natural Resources Canada

JAPAN: Ministry of Economy, Trade and Industry (METI)

KOREA: Korea Institute of Energy Research (KIER)

MALAYSIA: Ministry of Energy, Communications and Multimedia (MECM)

PR CHINA: State Power Corporation of China

USA: Department of Energy (DOE)

SPONSORED BY:

APEC: APEC TILF Fund (project managed by ISR Australia)

JAPAN: New Energy and Industrial Technology Development Organization (NEDO)
The Japanese Committee for Pacific Coal Flow (JAPAC)

MALAYSIA: Malaysian Electricity Supply Industry Trust Account (MESITA)
Ministry of Energy, Communications and Multimedia (MECM)
TNB Fuel Services Sdn. Bhd

USA: Department of Energy (DOE)

**POSTPONED : NEW TENTATIVE
DATES TO FRIDAY 8
MONDAY 4 MARCH 2002**

Monday 29th October

8.00 Registration

OPENING SESSION

Chair: *Dr Sun Chun, Chair
APEC Expert Group on Clean Fossil Energy
USA*

9.00 **Introduction**

Dr Sun Chun, Chair, EGCFE

9.15 **Official Welcome: Malaysia**

The Honourable Datuk Tan Chai Ho

Deputy Minister

Ministry of Energy, Communications and

Multimedia (MECM), Malaysia

9.35 **Official Welcome: Australia/Japan/USA**

Australia: HE Peter Varghese

Australian High Commissioner to

Malaysia

Japan: name to be advised

USA: name to be advised

10.00 Coffee break

COAL FLOW

SESSION 1: PACIFIC COAL FLOW AND ENERGY SECURITY

Chair: *Mr Scott M Smouse
Senior Management and Technical Advisor
National Energy Technology Laboratory
Department of Energy (DOE), USA*

10.30 **Future Energy Forecast and Role of Coal
in Japan**

Mr Kazuo Sugiyama, Chairman

*The Japanese Committee for Pacific Coal Flow
(JAPAC); and Former President*

*Electric Power Development Co., Ltd. (EPDC)
Japan*

11.00 **The World Coal Market: Prospects to 2010**

Ms Karen Schneider

Manager, International Energy Program

ABARE Innovation in Economic Research

Australia

11.30 **Malaysian Five-Fuel Policy and Coal**

name to be advised

Malaysia

12.00 Lunch

SESSION 2: COAL IN OPTIMUM ENERGY MIX (SECURITY AND ENVIRONMENT)

Chair: *Mr John Karas
Manager, Coal Industries Section
Department of Industry, Science and Resources
(ISR) Australia*

1.30 **New Role for Coal and CCTs in Energy
Security in APEC**

Dr Charles Johnson, Consultant

USA

2.00 **Power Industries in Korea**

Dr Chang-Seob Kim

Chief of Climate Change Policy Team

Korea Energy Management Corporation

Korea

2.30 **Energy Development Plans**

Mr Shih-Ming Chuang

Division Manager, Energy Commission

Ministry of Economic Affairs (MOEA)

Chinese Taipei

3.00 Coffee break

SESSION 3: COAL AND GLOBAL ENVIRONMENT

Chair: *Dr Frank M Mourits, Manager
Climate Change Technologies Initiative
Office of Energy Research and Development
Natural Resources Canada*

3.30 **Impact of Kyoto Mechanism on Coal**

Dr Yoshiki Ogawa

General Manager

The Second Department of Research

The Institute of Energy Economics, Japan

4.00 **Coal in Sustainable Society**

Dr Louis Wibberley

Manager Environment & Sustainability

BHP Billiton, Australia (to be confirmed)

4.30 **CO2 Emission and CDM Projects**

Ms Lucila Q Maralit

OIC-Assistant Director

Energy Resource Development Bureau

Department of Energy (DOE), Philippines

5.00 to

5.05 **Closing remarks**

8.00 to 10.30

Dinner Reception

Hosted by Malaysia and Japan

(Dress code: Smart Casual)

Tuesday 30th October

8.00 Registration

9.00 Opening Remarks

*Mr Hiroshi Yoshida, Executive Director
New Energy and Industrial Technology
Development Organization (NEDO), Japan*

SESSION 4: THE ROLE OF COAL IN SOUTH EAST ASIA

*Chair: Mr Pian bin Sukro
President/Chief Executive Officer
Tenaga Nasional Berhad, Malaysia*

9.10 Lessons Learned in Market Deregulation

*Mr Sittichod Wantawin
Chief, Overall Analysis Section
National Energy Policy Office (NEPO)
Thailand*

9.30 Export and Domestic Use

*Dr Boni Siahaan
Head of Subdirector of Investment and
Logistics, Directorate General of Geology and
Mineral Resources, Directorate of Mineral and
Coal Enterprises, Indonesia*

9.45 Coal and Natural Gas in the Future

*Mr Tran Van My, Deputy Manager General
Division for International Cooperation &
Development Project, Institute of Mining
Science and Technology (IMSAT), VINACOAL
Vietnam*

10.00 Move from Gas to Coal: Energy Security Issues

*name to be advised
Economic Planning Unit (EPU), Malaysia*

10.15 Coffee break

COAL TECHNOLOGY

SESSION 5: ENVIRONMENTAL TECHNOLOGIES IN COAL-FIRED POWER PLANT

*Chair: Dr Boni Siahaan, Head of Subdirector of
Investment and Logistics, Directorate of
Mineral and Coal Enterprises, Indonesia*

10.45 Pollution (Sox, Nox, Particles) Treatment

*Mr Shigehito Takamoto
General Manager
Environmental Research Department
Kure Research Laboratory
Babcock-Hitachi K.K, Japan*

11.10 Waste (Ash, Gypsum) Utilisation

Dr Ted Bremner

University of New Brunswick, Canada

11.35 Clean Coal Preparation and Utilisation

name to be advised, Australia

12.00 Lunch

SESSION 6: PRESENT SITUATION AND TREND OF HIGH EFFICIENCY COAL COMBUSTION TECHNOLOGIES

*Chair: Mr Hiroaki Ichinose, Deputy Director
Coal Industry Division, ANRE, Ministry of
Economy, Trade and Industry (METI), Japan*

1.30 IGCC

name to be advised, USA

1.55 IGFC (Eagle Project)

*Mr Eiki Suzuki
Coal Gasification (EAGLE) Group Member
Wakamatsu Coal Utilization Research Center
Wakamatsu General Management Office
New Energy & Technology Development Dept
Electric Power Development Co., Ltd. (EPDC)
Japan*

2.20 Supercritical PF

*Mr Li Guanghua
State Power, PR China*

2.45 Coffee break

SESSION 7: EMERGING TECHNOLOGIES TO REDUCING GHG EMISSIONS

*Chair: Dr Sung-Chul Shin, Senior Advisor
Korea Institute of Energy Research (KIER)
Korea*

3.15 Techno-economic Assessments by the Zero Emission Coal Alliance

*Dr Frank M Mourits, Manager
Climate Change Technologies Initiative
Office of Energy Research and Development
Natural Resources Canada*

3.35 Clean Coal Technology Initiative

*Mr Scott M Smouse
Senior Management and Technical Advisor
National Energy Technology Laboratory
Department of Energy (DOE), USA*

4.00 Demo Plant of CO₂ Separation & Conversion

*Dr Jae-Goo Shim
Senior Member of Technical Staff
Korea Electric Power Research Institute
Korea Electric Power Corporation (KEPCO)
Korea*

SESSION 8: SUMMARIES

Chair: Dr Charles Johnson, Consultant, USA

4.30 Session Chairs – Summaries

5.30 Coal Flow and Technical Closing Sessions

Wednesday 31st October

-- TECHNICAL TOURS --

hosted by

TNB Fuel Services Sdn Bhd

Half-day tour : **Kapar Power Plant**

Located 15km north of Klang and 56km west of Kuala Lumpur, Kapar Power Plant was the first coal fired power plant project in Malaysia. Total capacity is 2,420MW, of which 1,600MW is coal fired. It has three parallel coal pile areas of one kilometre each and accommodates up to 40,000mt.

The berthing facility is equipped with two grab unloaders and one continuous unloader (CUL). It has a draught of 15 metres and the jetty is designed to accommodate vessels of 80,000dwt maximum capacity.

Full-day tour : **Manjung Power Plant**

Conceptualised to be the first greenfield coal-fired IPP project in Malaysia, Manjung Power Plant is a full turnkey project. Located 10km from Lumut town and 290km north of Kuala Lumpur, it has a total capacity of 3 x 700MW.

The coal delivery facility (Lekir Bulk Terminal) is expected to be ready by July 2002.

The jetty is designed to accommodate up to 160,000dwt with draft of 18 metres, and is installed with two unloaders.

Important! The closing date for bookings is Friday 12 October. Please indicate on the registration form if you wish to participate.

Thursday 1st November

8.00 Registration

TILF WORKSHOP

SESSION 1: OPENING – BACKGROUND AND OVERVIEW

Chair: Mr Scott M Smouse, Senior Management and Technical Advisor National Energy Technology Laboratory, Department of Energy (DOE) USA

9.00 **Opening Remarks from the Chair**

9.15 **Keynote Address 1: Malaysian Coal Resources: Opportunities and Challenges**
The Honourable Datuk Amar Leo Moggie Minister, Ministry of Energy, Communications and Multimedia (MECM), Malaysia

9.50 **Keynote Address 2: Fuel Switching in Electricity Generation: Issues and Challenges: the Mexican Experience**
name to be advised, Mexico (invited)

10:20 Discussion

10.30 Coffee break

SESSION 2: THE INTERNATIONAL COAL MARKET

*Chair: Mr Robin Bryant
General Manager Energy Minerals Branch
Coal and Mineral Industries Division
Department of Industry, Science and Resources (ISR), Australia*

11.00 **New Directions in Coal Markets**
*Mr Clyde Henderson
Director
Energy Economics Pty Ltd, Australia*

11.30 **Issues and Strategies in Preparing a Coal Supply Plan**
*Mr Ian Coddington
Managing Director
Coddington International, Australia*

12.30 Panel discussion

1.00 Lunch break

SESSION 3: COAL UTILISATION AND THE ENVIRONMENT

*Chair: Ms Margaret Beardow, Principal
Benchmark Economics, Australia*

2.00 **Coal's Clean Image: Coal Handling Facilities: a Video Presentation**
*Mr Robin Bryant
General Manager Energy Minerals Branch
Coal and Mineral Industries Division
Department of Industry Science and Resources (ISR), Australia*

2.15 **Matching Coal Storage Standards to Community Needs**
*Dr John Sligar
Director
Sligar & Associates Pty Ltd, Australia*

2.45 **Pollution and Safety Controls in Coal Handling at the Thermal Power Station**
*Mr Masahiro Ikezawa
Manager
Procurement Department
Electric Power Development Co., Ltd. (EPDC)
Japan*

3.15 **Renewables and Coal: Co-firing for Greater Efficiency**

Mr Peter Coombes

Manager Development and Research

Delta Electricity, Australia

3.45 Coffee break

SESSION 4: COAL IN THE ELECTRICITY SECTOR

Chair: Haji Othman bin Haji Mahmud

Managing Director

TNB Fuel Services Sdn. Bhd, Malaysia

4.15 **Coal Quality and Plant Performance**

Mr Hiroshi Ikuno

Manager, Coal Procurement Group

Procurement Department

Electric Power Development Co., Ltd.

(EPDC) Japan

4.45 **Human Resources for Coal Fired Power Plant: Developing a Training Program for New Skills and Expertise**

Mr David Whan

Managing Director, Simulator Services

TechComm Simulation, Australia

5.15 **Closing**

8.00 to 10.30

Dinner Reception

Hosted by Malaysia

(Dress code: Smart Casual)

Friday 2nd November

8.00 *Registration*

SESSION 5: ELECTRICITY DEREGULATION: THE MAJOR CHALLENGES

Chair: name to be advised

9.00 **Keynote Address: New Markets, New Challenges – Lessons from the Competitive Frontier**

Ms Margaret Beardow, Principal

Benchmark Economics, Australia

9.30 **Open Market for Energy: Reform Efforts in Thailand**

Dr Sudharma Yoonaidharma

The Intellectual Property Institute

Chulalongkorn University, Thailand

10.00 **New Market Structures: the Texas Alternative**

Mr Robert W Gee, Principal

The Gee Strategies Group, USA

10.30 Coffee break

SESSION 6: ELECTRICITY: DEREGULATION AND THE MARKET

Chair: name to be advised

11.00 **New Market Structures: Implications for Generators**

Mr Rodney Ward

General Manager Marketing

Delta Electricity, Australia

11.30 **Role of Transmission in Deregulated Markets: the Philippines Experience**

Mr Gregorio R Cayetano

Manager, Network Operations Department

National Power Corporation, Philippines

12.00 **Pricing Electricity in Developing Economies: APEC Experience**

Mr Peter Littlewood, Operations Director

CLP Power International Ltd

Hong Kong China

12.30 Panel discussion

1.00 Lunch break

SESSION 7: THE NEW INFRASTRUCTURE: FINANCIAL AND LEGAL ISSUES

Chair: Datuk Ir. Mohd. Annas bin Hj. Mohd. Nor

The Chairman, Energy Commission Malaysia

2.00 **Developing Coal-fired Generation: a Legal Perspective**

Mr Leong Kwok Yan

Zaid Ibrahim & Co, Malaysia

2.30 **IPP Development: an Investor's Perspective**

Mr Ronald Landry, President Director

Paiton Energy Company, Indonesia (invited)

3.00 **Malaysia's Energy Plan: the Way Forward**

Dr Mohd Zamzam Jaafar

Chief Executive Officer

Malaysia Energy Centre, Malaysia

3.30 Coffee break

SESSION 8: SUMMARY AND CLOSING

4.00 **Session Summaries and Closing Comments**
name to be advised

4.30 **Official Closing**

Dr Sun Chun, Chair, EGCFE; and

Mr Scott M Smouse

Senior Management and Technical Advisor

National Energy Technology Laboratory

Department of Energy (DOE), USA

5.00 Close

COAL IN SUSTAINABLE DEVELOPMENT IN THE 21st CENTURY



To register please complete this form and return to...

THE MEETINGS MANAGER PTY LTD

PO BOX N542, GROSVENOR PLACE NSW 1220 AUSTRALIA

FAX: +612 9241 5354

REGISTRATION FORM

VENUE: Hotel Istana, 73 Jalan Raja Chulan, 50200 Kuala Lumpur, Malaysia

Tel: (6 03) 2141 9988 fax: (6 03) 2144 0111

The Hotel Istana is located in the heart of the banking, shopping and commercial district of Kuala Lumpur. The airport is 60km distance, approximately 1 hour's drive. Taxis are plentiful and the cost approximately RM80-100. The hotel also offers a limousine or mini-bus service. Tick here for more information ☐

LAST NAME

FIRST NAME

POSITION

ORGANISATION

MAILING ADDRESS

CITY

STATE

POSTCODE

ECONOMY

TEL

FAX

EMAIL

SEMINARS AND WORKSHOP:

I will attend the....

- ☐ 8th APEC Coal Flow Seminar
(Monday 29 October)
- ☐ 9th APEC Clean Fossil Energy Technical
Seminar (Tuesday 30 October)
- ☐ 4th APEC Coal TILF Workshop
(Thursday 1 and Friday 2 November)

SITE TOURS (Wednesday 31 October):

I will participate in the ...

- ☐ Half-day site visit to Kapar Power Station
- ☐ Full day site visit to Manjung Power Station

DINNER RECEPTIONS:

I will be attending the reception on...

- ☐ Monday 29 October
- ☐ Thursday 1 November

ACCOMMODATION: Rates are inclusive of buffet breakfast and 15% tax. Please indicate your requirements by ticking the appropriate box.

Bookings must be received by Friday 19 October.

- ☐ Single (RM210.00 nett per room per night)
- ☐ Double (RM240.00 nett per room per night)
- ☐ non-smoking preferred

Arrive: day _____ approximate time _____

Flight No: _____

Depart: day _____ approximate time _____

Flight No: _____

(Note: Hotel check in time is after 2 pm; check out time is 12 noon.)

Important!! A credit card number is required to secure the room booking. Your card will not be charged by The Meetings Manager, but details will be passed directly to the Hotel Istana to guarantee your booking. Please complete below...

☐ Mastercard ☐ Visa ☐ Amex ☐ Diners

Expiry date ____/____

Print cardholder name _____



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